

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): A hardware upgrade for a set top terminal for use with a television program delivery system with menu selection of programs, the set top terminal having a microprocessor and microprocessor instructions for prompting generation of menus, the hardware upgrade comprising:

an interface to the set top terminal for receiving and processing subscriber input, the set top terminal receiving television program signals based on the subscribe input; and
a disc storage device connected to the interface providing local storage capacity; and
a microprocessor connected between the interface and the disco storage device.

2. (original): The hardware upgrade of claim 1 wherein data stored on the disc storage device concerns one or more applications selected from a group consisting of games, education, encyclopedias, reference, and economics.

3. (cancelled).

4. (original): The hardware upgrade of claim 3 further comprising programming instructions that execute on the microprocessor, wherein the programming instructions access data stored on the disc storage device.

5. (original): The hardware upgrade of claim 4 wherein the interface to the terminal transfers, to the hardware upgrade, information concerning television programs, and the programming instructions comprise:
programming instructions to monitor the information concerning television programs;
and

programming instructions to retrieve data stored on the disc storage device in response to the information concerning television programs.

6. (original): The hardware upgrade of claim 1 wherein the interface to the terminal comprises a multipin connector.

7. (original): The hardware upgrade of claim 6 wherein the multipin connector is a multipin connector ranging from type DB9 to type DB25.

8. (original): The hardware upgrade of claim 1 wherein the interface to the terminal comprises a SCSI connector.

9. (original): The hardware upgrade of claim 1 wherein the disc storage device is a compact disc storage device.

10. (original): The hardware upgrade of claim 9 wherein the compact disc storage device is a CD-ROM device.

11. (currently amended): A set top terminal for use with a television program delivery system with menu selection of programs, the set top terminal having a microprocessor and microprocessor instructions for prompting generation of menus, the set top terminal comprising:

a receiver adapted to receive programs; and

a first hardware upgrade comprising:

an interface to the set top terminal for receiving and processing subscriber input, the set top terminal receiving television program signals based on the subscribe input;
and

a disc storage device connected to the interface providing local storage capacity;
and

a microprocessor connected between the interface and the disco storage device.

12. (original): The terminal of claim 11 further comprising a display that indicates when the first hardware upgrade is in use.
13. (original): The terminal of claim 11 wherein the terminal has an expansion card slot, and wherein the interface comprises at least one card connector adapted for use with the expansion card slot.
14. (cancelled).
15. (original): The terminal of claim 11 wherein the terminal is an HDTV terminal.
16. (original): The terminal of claim 11 further comprising:
one or more additional hardware upgrades connected to the terminal.
17. (original): The terminal of claim 16 wherein the first hardware upgrade and the one or more additional hardware upgrades are connected in a daisy-chain arrangement.
18. (original): The terminal of claim 17 wherein each of the first hardware upgrade and the one or more additional hardware upgrades comprises a SCSI connector, and the daisy-chain arrangement is a SCSI daisy-chain arrangement.
19. (original): The terminal of claim 16 wherein the first hardware upgrade and the one or more additional hardware upgrades are capable of operating simultaneously.
20. (original): The terminal of claim 16 wherein at least one of the one or more additional hardware upgrades is selected from the group consisting of an audio program reception hardware upgrade, an interactive hardware upgrade that receives interactive subscriber input and produces interactive output, and a modem hardware upgrade.
21. (original): The terminal of claim 11 wherein the disc storage device is a compact disc storage device.

22. (original): The terminal of claim 21 wherein the compact disc storage device is a CD-ROM device.
23. (currently amended): A system comprising:
a television program delivery system adapted to deliver television program signals; and
a set top terminal having a microprocessor and microprocessor instructions for prompting generation of menus and comprising:
a receiver adapted to receive the television program signals; and
a hardware upgrade comprising:
an interface to the set top terminal for receiving and processing subscriber input, the set top terminal receiving television program signals based on the subscribe input; and
a disc storage device connected to the interface providing local storage capacity; and
a microprocessor connected between the interface and the disco storage device.
24. (original): The system of claim 23 wherein the television program delivery system is a cable television program delivery system.
25. (original): The system of claim 24 wherein the cable television program delivery system comprises an operations center, the operations center transmitting one or more of the programs to the terminal.
26. (original): The system of claim 24 wherein the cable television program delivery system comprises one or more headends, a particular one of the one or more headends transmitting one or more of the programs to the terminal.
27. (original): The system of claim 23 wherein the television program delivery system is a satellite broadcast system.

28. (original): The system of claim 23 wherein the terminal is an HDTV terminal.
29. (original): The terminal of claim 23 wherein the disc storage device is a compact disc storage device.
30. (original): The terminal of claim 29 wherein the compact disc storage device is a CD-ROM device.
31. (currently amended): A television terminal having a microprocessor and microprocessor instructions for prompting generation of menus, the television terminal comprising:
a television program receiver;
a hardware upgrade comprising:
an interface to the television terminal for receiving an processing subscriber input, the set top terminal receiving television program signals based on the subscribe input;
a disc storage device providing local storage capacity; and
a microprocessor connected between the interface and the disco storage device;
and
an output connected to the receiver and the storage device, wherein the output accepts television program signals from the receiver and data signals from the storage device.
32. (currently amended): The television terminal of claim ~~32~~ 31 wherein the output is a video display.
33. (currently amended): The television terminal of claim ~~32~~ 31 wherein the output is a connector port.
34. (currently amended): The television terminal of claim ~~32~~ 31 wherein data stored on the disc storage device concerns one or more applications selected from a group consisting of games, education, encyclopedias, reference, and economics.

35. (currently amended): The television terminal of claim ~~32~~ 31 further comprising a microprocessor connected to the disc storage device.

36. (currently amended): The television terminal of claim ~~36~~ 35 further comprising programming instructions that execute on the microprocessor, wherein the programming instructions access data stored on the disc storage device.

37. (currently amended): The television terminal of claim ~~37~~ 36 wherein the interface to the terminal transfers, to the hardware upgrade, information concerning television programs, and the programming instructions comprise:

programming instructions to monitor the information concerning television programs;
and

programming instructions to retrieve data stored on the disc storage device in response to the information concerning television programs.

38. (currently amended): The television terminal of claim ~~32~~ 31 wherein the television terminal is an HDTV terminal.

39. (currently amended): The television terminal of claim ~~23~~ 31 wherein the disc storage device is a compact disc storage device.

40. (currently amended): The television terminal of claim ~~40~~ 39 wherein the compact disc storage device is a CD-ROM device.

41. (currently amended): A method for delivering television programs through a television program delivery system with menu selection of programs, comprising:

receiving a television program from one or more headends;
receiving subscriber input through an interface within a set top terminal, the set top terminal having a microprocessor and microprocessor instructions for prompting generation of menus;
providing television program signals to the set top terminal based on the subscriber input;

accessing data using a disc storage device and a microprocessor located on a hardware upgrade, wherein the disc storage device provides local storage capacity; and
displaying the television program and/or information based on the accessed data.

42. (currently amended): The method of claim 42 41 wherein the disc storage device is a CD-ROM.

43. (currently amended): The method of claim 42 41 further comprising:
processing the data stored on the disc storage device.

44. (currently amended): The method of claim 42 41 wherein the accessed data concerns one or more applications selected from a group consisting of games, education, encyclopedias, reference, and economics.

45. (currently amended): The method of claim 42 41 wherein the accessing step is performed in response to receiving the television program.

46. (currently amended): The method of claim 42 41 further comprising:
receiving information concerning programs;
monitoring the information concerning programs; and
wherein the accessing step is performed in response to the monitoring step.

47. (currently amended): The method of claim 48 46 wherein the information concerning programs is received in a vertical blanking interval.

48. (currently amended): The method of claim 48 46 wherein the information concerning programs is received in a program control information signal.

49. (currently amended): The method of claim 42 41 further comprising:
receiving subscriber input;

50. (currently amended): The method of claim ~~51~~ 49 further comprising:
remotely receiving the subscriber input.
51. (currently amended): The method of claim ~~51~~ 49 further comprising:
generating a menu on a television;
receiving menu selections from one or more menus, wherein the subscriber input
comprises menu selections.
52. (currently amended): The method of claim ~~51~~ 49 wherein the accessing step is
performed in response to receiving the subscriber input.
53. (currently amended): The method of claim ~~42~~ 41 wherein the disc storage device is a
compact disc storage device.
54. (currently amended): The method of claim ~~55~~ 53 wherein the compact disc storage
device is a CD-ROM device.
55. (new): The hardware upgrade of claim 1, wherein the hardware upgrade is a card
insertable into the set top terminal.
56. (new): The hardware upgrade of claim 1, wherein the hardware upgrade allows use of
interactive multi-media education applications.
57. (new): The hardware upgrade of claim 1, wherein the hardware upgrade interacts with
live programming and provides context sensitive interactivity.